

March 10, 2021

Sampling within the Portland Harbor Superfund Site Focus: Cathedral Park Project Area

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Takeaways

By the end of this presentation, we hope that Collaborative members and observers will better understand:

- ✓ The roles of the Oregon Department of Environmental Quality (DEQ) and EPA in sampling within the Portland Harbor Superfund Site
- √ Where are we in the sampling process Site-Wide and for the Cathedral Park Project Area?
- √ Why sampling is so important right now
- ✓ The typical sampling and analysis process with a focus on the Cathedral Park Project Area
- ✓ How interested community members can be involved in EPA's initial sampling work at the Cathedral Park Project Area

Role of Oregon Department of Environmental Quality (DEQ)

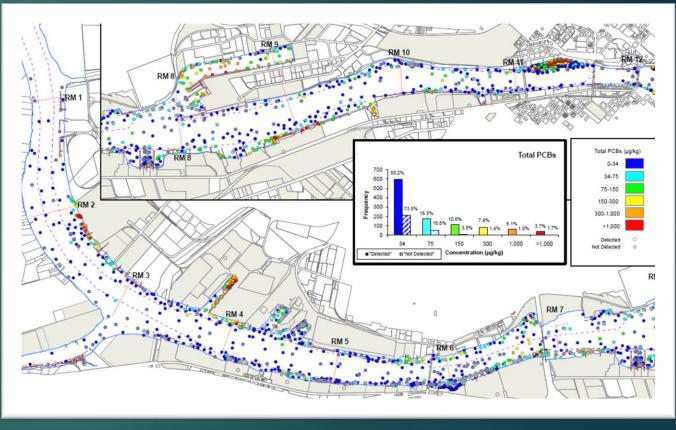
- DEQ is not directly involved with in-water sampling for the Portland Harbor Superfund Site (that is EPA's role)
- DEQ does evaluate and provide input on the sampling plans and results of inwater sampling work overseen by EPA
- DEQ is the lead agency overseeing upland sampling (soil, groundwater, stormwater) to evaluate and address sources of contamination to the river (known as source control evaluations)



Where are we in the sampling process Site-wide?

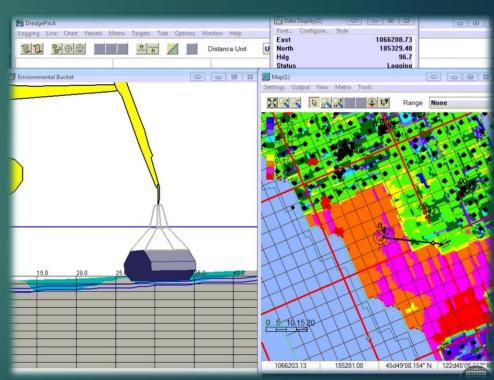
Past (2000 – 2016): Extensive sampling occurred to help EPA get a good overall idea of which chemicals were present and where contamination existed

Present: Now EPA is working to refine the area requiring active cleanup and to select the best cleanup technology



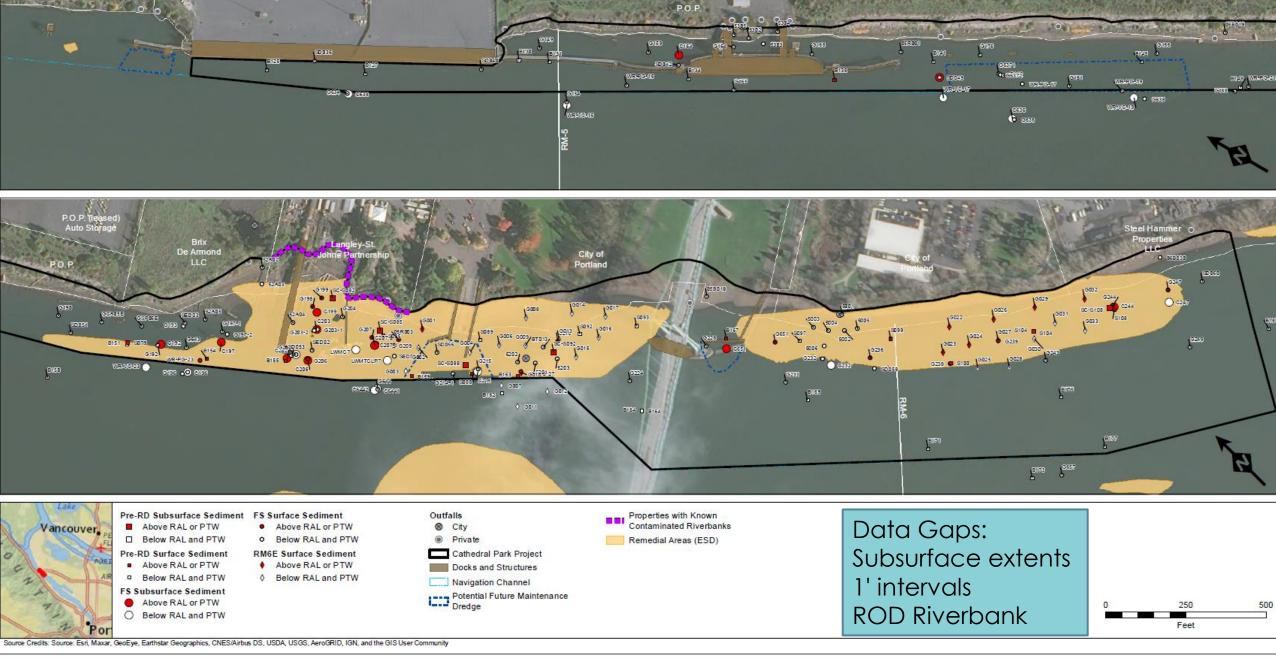
Why is sampling important right now?





Cathedral Park Project Area





Sediment Sampling Equipment

Images courtesy of CDM Smith

Core Tube



Hand Auger Photograph from USEPA Soil Sampling SOP





Surface Grab Sampler





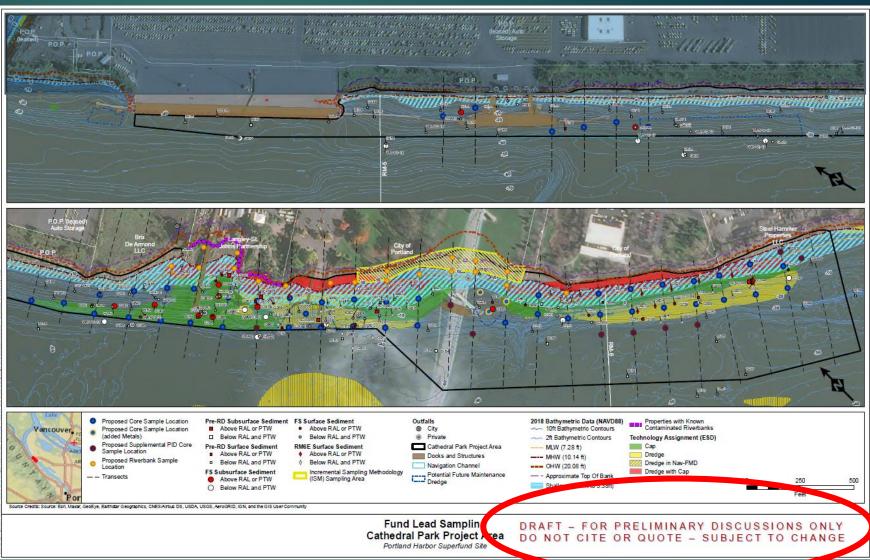
Vibracore Sampler

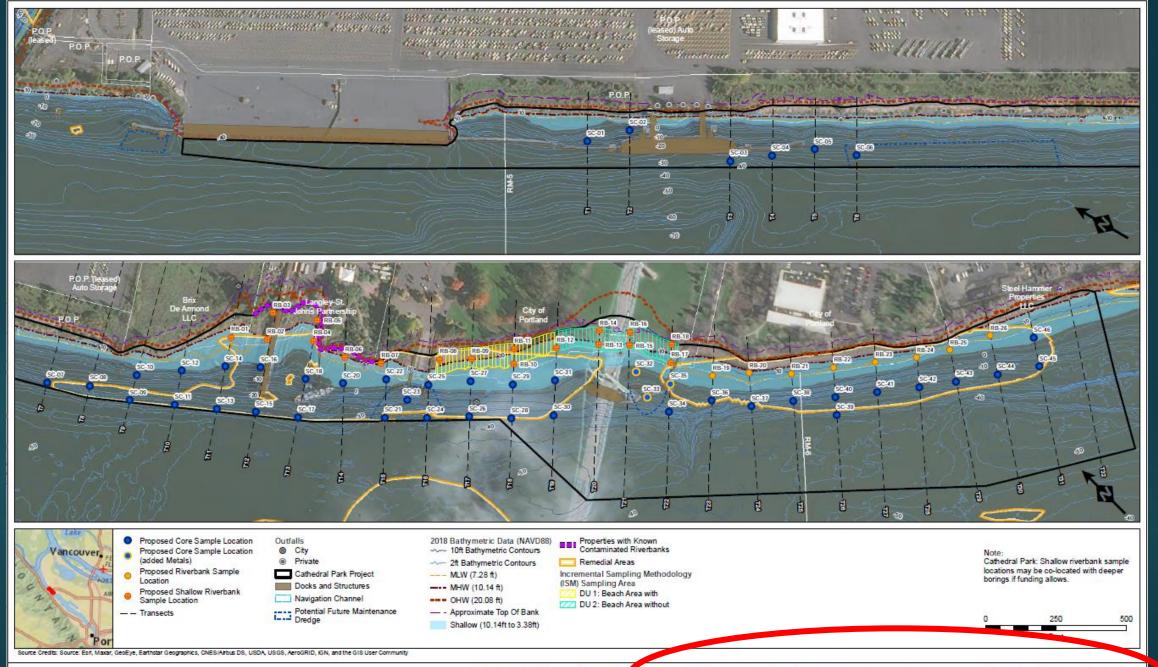


Intact Surface Sample

Cathedral Park Focus: What is the sampling process?

- Sampling Plan in development
 - Proposed location for samples
 - Time of year samples will be taken
- Actual collection of samples (field work): First phase planned for June 2021





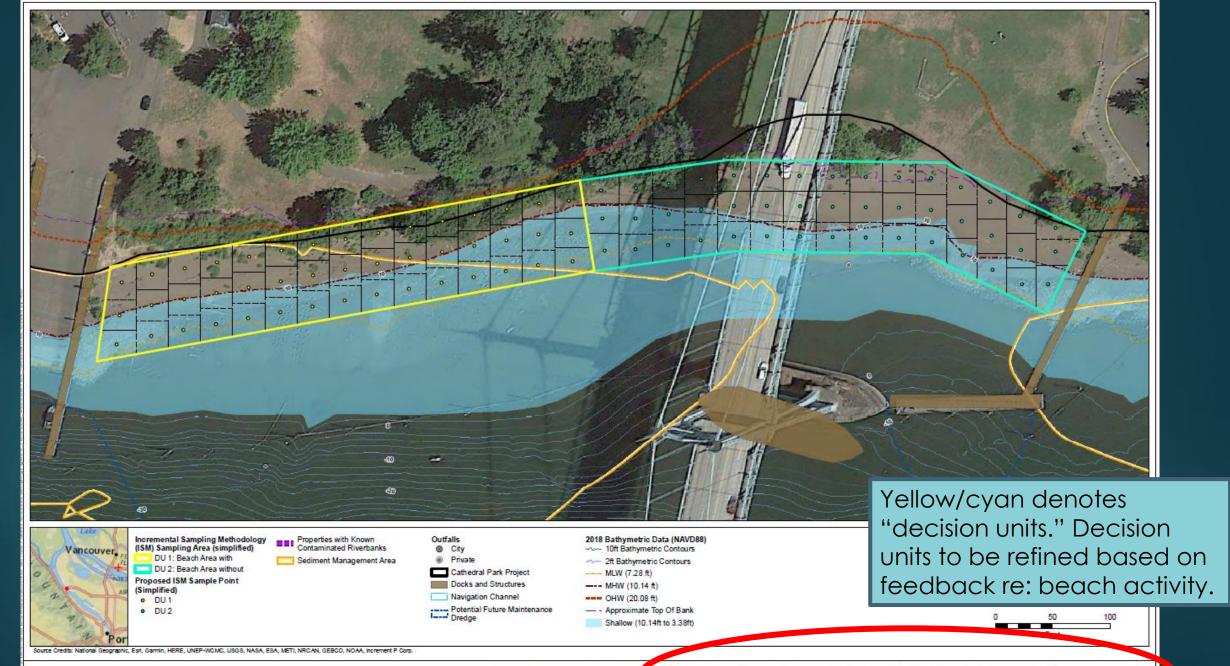


Figure 3. Fund Lead Sampling DRAFT - FOR PRELIMINARY DISCUSSIONS ONLY Cathedral Park Project Area DO NOT CITE OR QUOTE - SUBJECT TO CHANGE

Analysis

► Submittal to Laboratory

Quality Assurance/Quality Control

▶ Data Quality Review

▶ Data Use

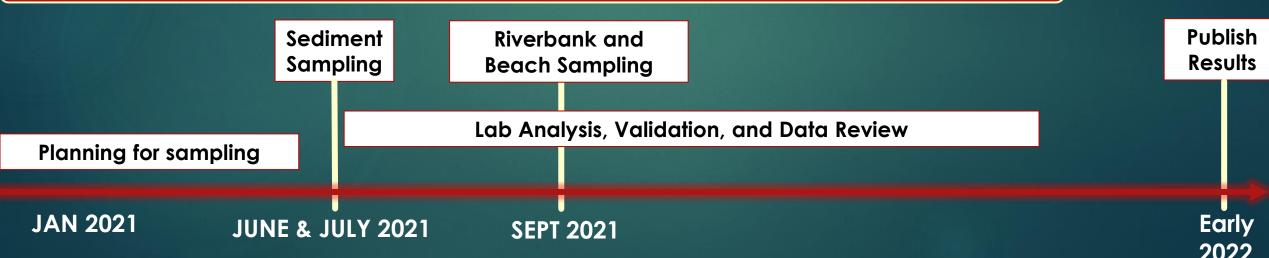


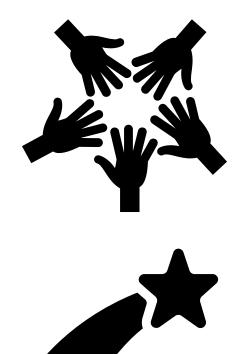
Interested in the Cathedral Park Project Area?

Consider joining the Cathedral Park Project Area Working Group!

- Purpose: Discuss and develop community education and engagement opportunities for EPA's *initial* sampling work at the Cathedral Park Project Area (planned to start in June 2021)
- **Join Us!** Please contact Laura Knudsen (knudsen.laura@epa.gov, 206-643-4299) if you are interested in joining!

Very Tentative Timeline (for Cathedral Park Project Area)





Questions?

Thank You!